

WELCOME TO THE MEETING



We will begin shortly!

- Please turn your video off and mute your microphones to prevent any lagging during the presentation.
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IDALIA ROAD PHASE I-A/B STUDY

CN A300201

PUBLIC MEETING NO. 1



December 16th, 2021



IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Study Team
- City of Rio Rancho
 - BJ Gottlieb – Director of Public Works & City Engineer
 - Jamie Marrufo – Deputy Director of Public Works
 - Arnell Friedt – Project Manager
- Consultant Team
 - Andrew E. Gallegos – WHPacific/NV5 Project Manager
 - Adam Miera – WHPacific/NV5 Traffic Engineer
 - Kevin Rucker – WHPacific/NV5 Roadway Designer
 - Sheila Johnson - WHPacific/NV5 Drainage Manager
 - Austin Schmidt - WHPacific/NV5 Drainage Engineer
 - Eric Johnson – NV5 Environmental Lead
 - Mikaela Buscher – NV5 Biologist & NEPA Analyst



IDALIA ROAD PHASE I-A/B STUDY EXISTING CONDITIONS



MEETING AGENDA

1. NMDOT Study Location Procedures
2. Purpose and Need Statement
3. Existing Conditions Review
4. Project Schedule
5. Next Steps
6. Questions and Answer

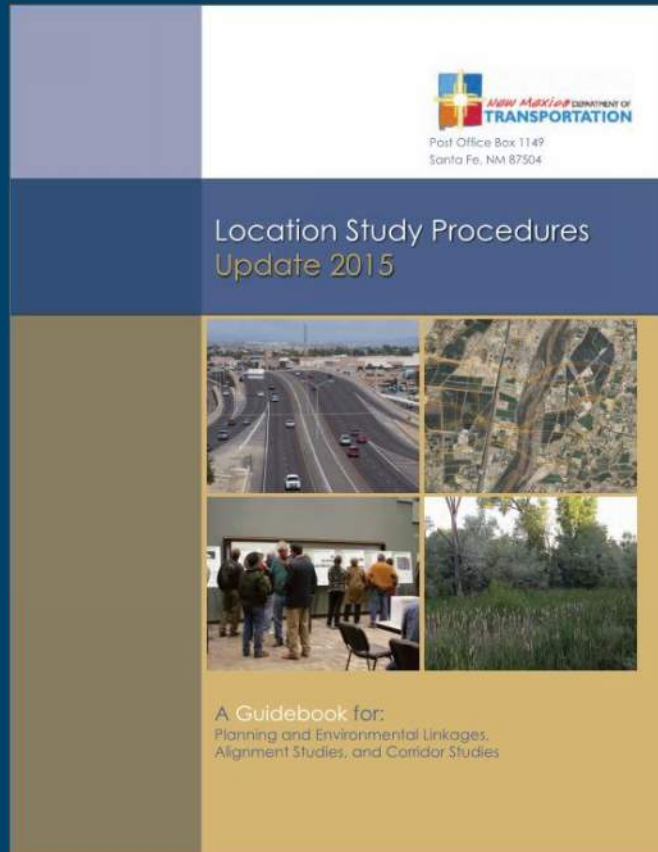


Loma Colorado Blvd. intersection

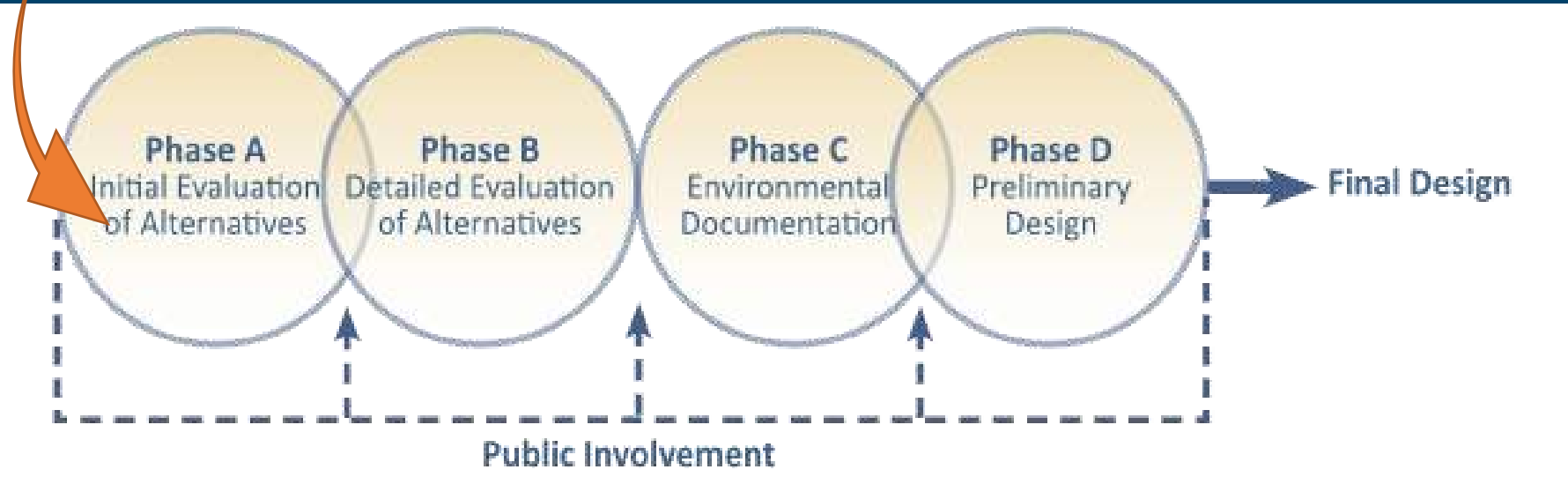
IDALIA ROAD PHASE I-A/B STUDY EXISTING CONDITIONS



NMDOT Study Procedures



**We are Here
December 16th, 2021**



IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



Idalia Road Project Area



IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Project Needs:
 - Physical Deficiencies
 - Travel Demand and Congestion
 - Safety
 - System Connectivity
 - Access
- Purpose and Need Statement
 - *The purpose of this project is to correct the physical deficiencies, improve safety, accommodate future traffic demands, and provide multi-modal accessibility within the Idalia Road study corridor. This includes updating intersection geometry for improved sight distance at intersections, providing connectivity for multi-modal users, and upgrading the drainage facilities as required to accommodate the full buildout of the typical section for corridor.*

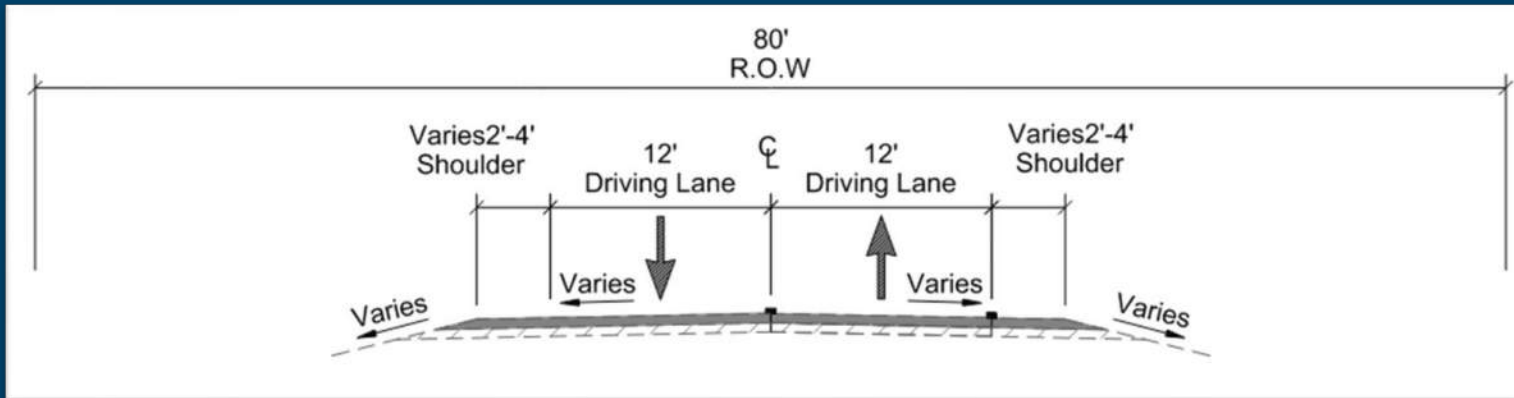


IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Existing Roadway Typical Sections



Typical Roadway Section (except intersections)

- Roadway Characteristics

- Urban Minor Arterial Roadway Classification
- 2-12' Driving Lanes with narrow shoulders
- 80' Wide Right-of-way
- 35 & 40 mph Posted Speed Limit
- Turning Lanes at Signalized Intersections only
- Curb and Gutter near Iris Rd.
- Crossing Culverts at intersections
- No storm drain system
- Existing Utilities throughout corridor

IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS

- Intersection Deficiencies

- ADA Curb Ramp Slope Issues
- Push Buttons Up to Date at Intersections
- Proximity of power poles for temporary signals



- Lack of Curb Ramps
- No Sidewalk Connectivity
- No Bicycle Lanes

IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Intersection Deficiencies

- General Issues:
- ADA Curb Ramp Slope Issues
- Push Buttons far from crossings at Intersections
- Proximity of power poles to roadway for temporary signals



Loma Colorado Blvd. Ramps

- Curb Ramps do not meet current standards
- No Sidewalk Connectivity
- Missing Pedestrian Crossings



Trail to Rio Rancho M.S.

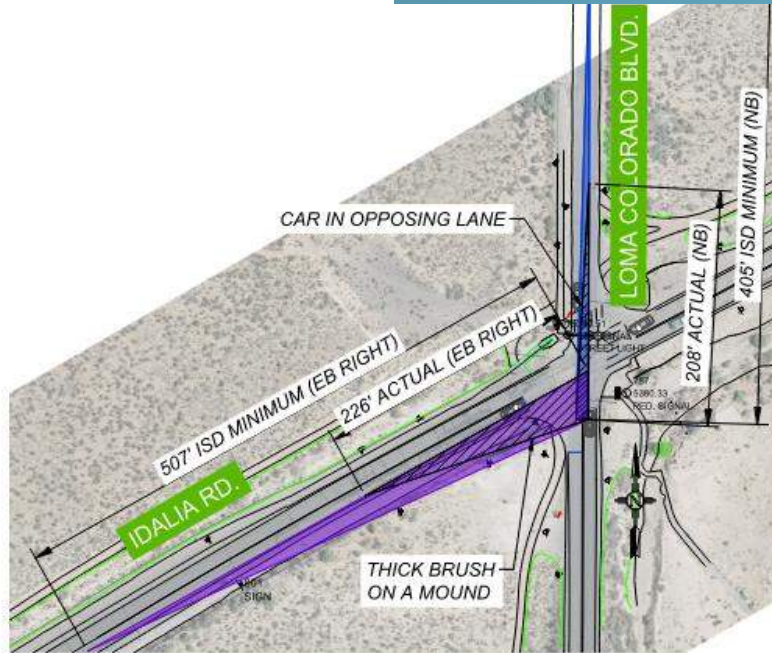
- Trail Connectivity to intersection from school
- Trails are old and not currently unusable for wheelchair access

IDALIA ROAD PHASE I-A/B STUDY

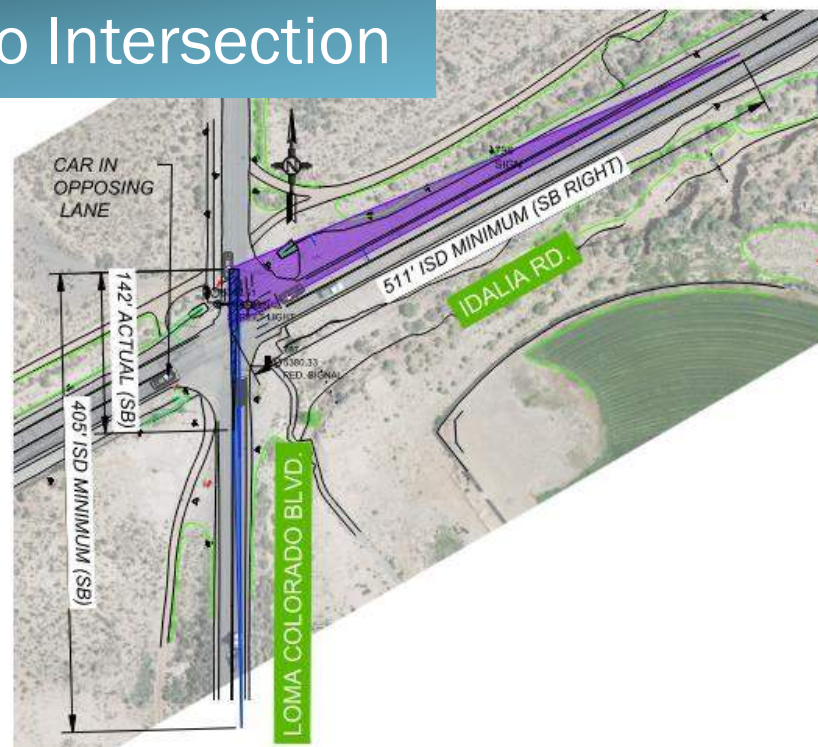
EXISTING CONDITIONS

- Intersection Sight Distance Evaluation

Loma Colorado Intersection



NORTHBOUND RIGHT & LEFT



SOUTHBOUND RIGHT & LEFT

- Stopping Sight Distance
 - “Sight distance is provided at intersections to allow the drivers of stopped vehicles a sufficient view of the intersecting roadway to decide when to enter the roadway or cross it”.
- Issues
 - Left-Turning Vehicles Block other turning vehicles.
 - Bushes and hills for Right-Turning Vehicles limits clear sight line.

IDALIA ROAD PHASE I-A/B STUDY EXISTING CONDITIONS

- Access Control Evaluation

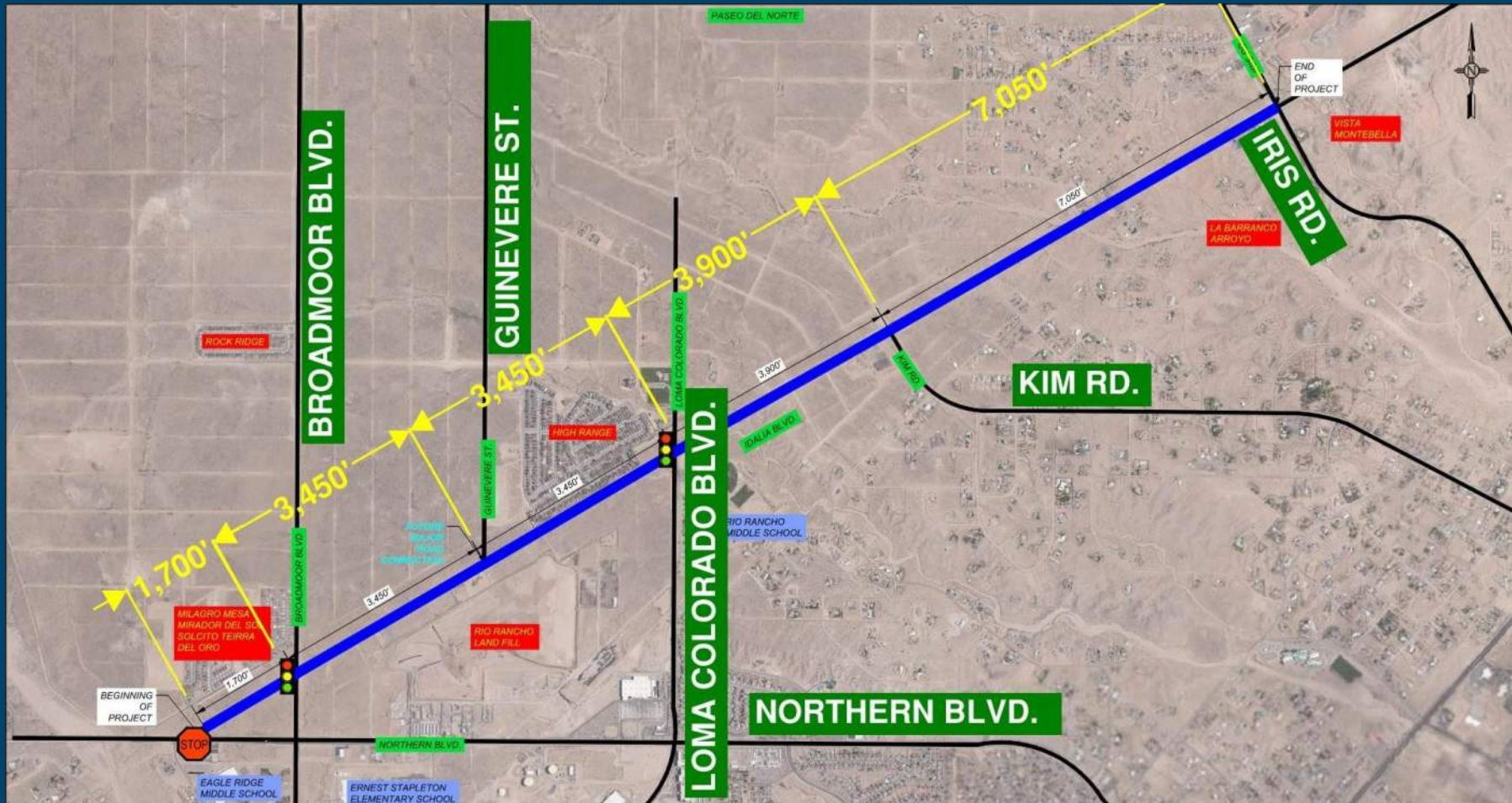


- State Access Management Manual (SAMM)

- “Provides procedures and standards to preserve and protect the public health, safety, and welfare, to maintain smooth traffic flow, and to protect the functional level of state highways.”

- Evaluation

- Existing Spacing currently meets guidelines for major intersections.
- Direct access for property owners near Iris Rd.



IDALIA ROAD PHASE I-A/B STUDY EXISTING CONDITIONS

- Access Control Evaluation



Private Driveway Access near Iris Rd.

- Access to private driveways
 - Existing Driveways have access near Iris Rd.
 - Steep driveways
 - Only access will need to be maintained from Idalia Rd.

MEETING REMINDER



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IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Roadway Deficiencies



Alligator Cracking west of
Loma Colorado



At Culvert Crossing
Drainage Structure

- Roadway Failures

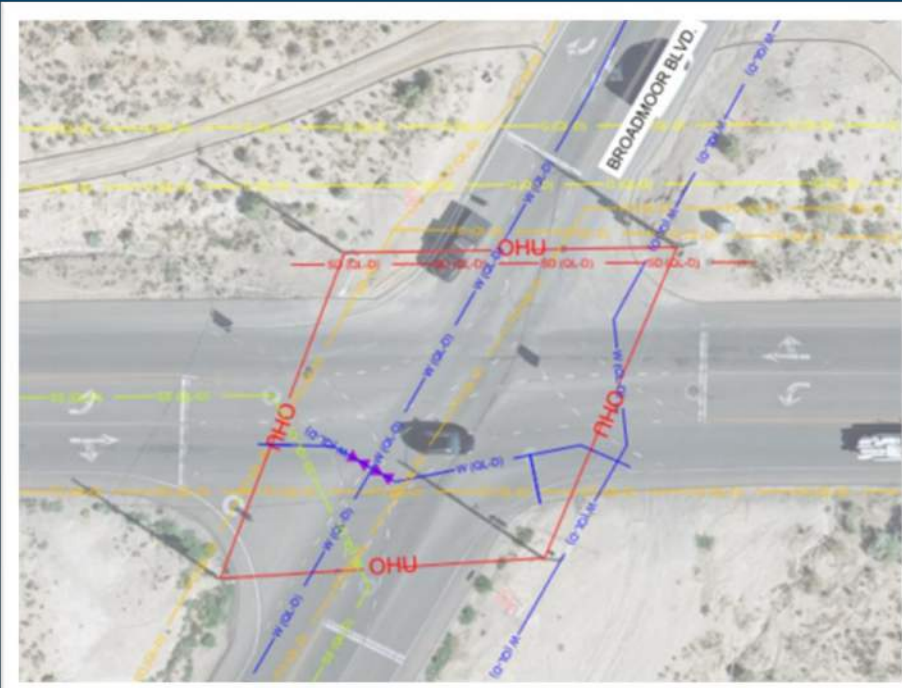
- Alligator Cracking
- Aging Asphalt
- Chipping and Exposed Subgrade that may result in potholes
- Consistent Maintenance expected if not replaced

IDALIA ROAD PHASE I-A/B STUDY

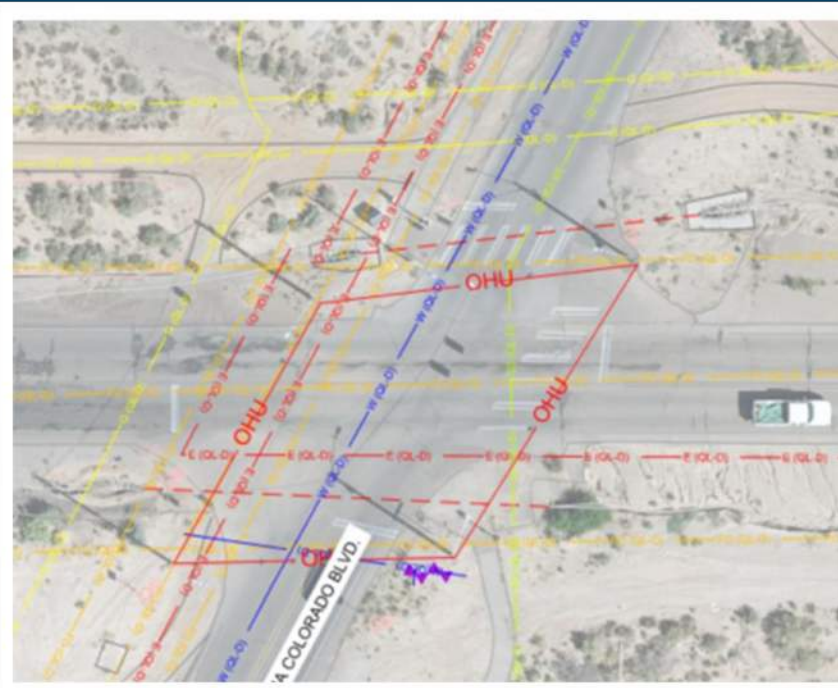
EXISTING CONDITIONS



- Existing Utilities

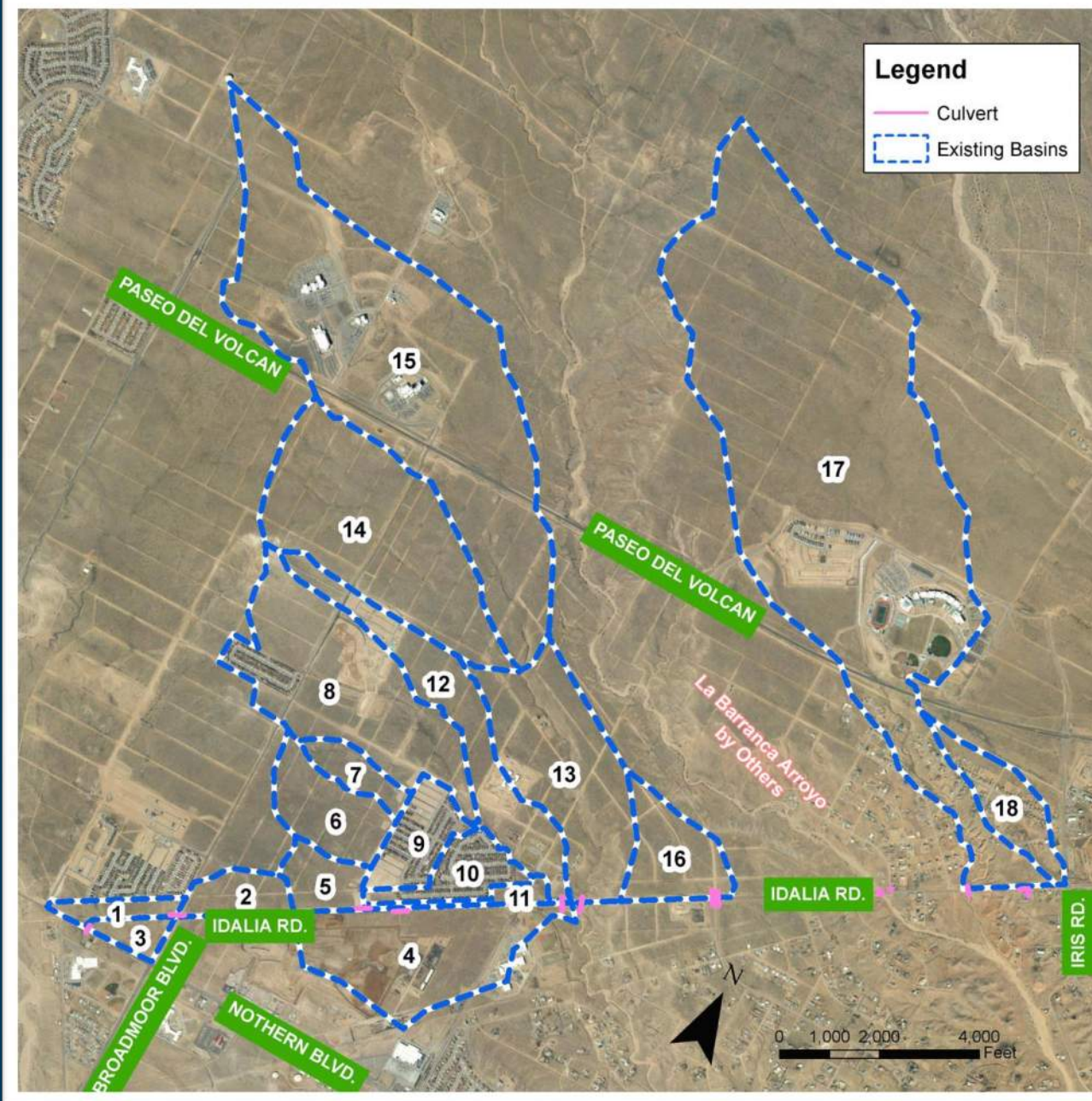


Broadmoor Intersection



Loma Colorado Intersection

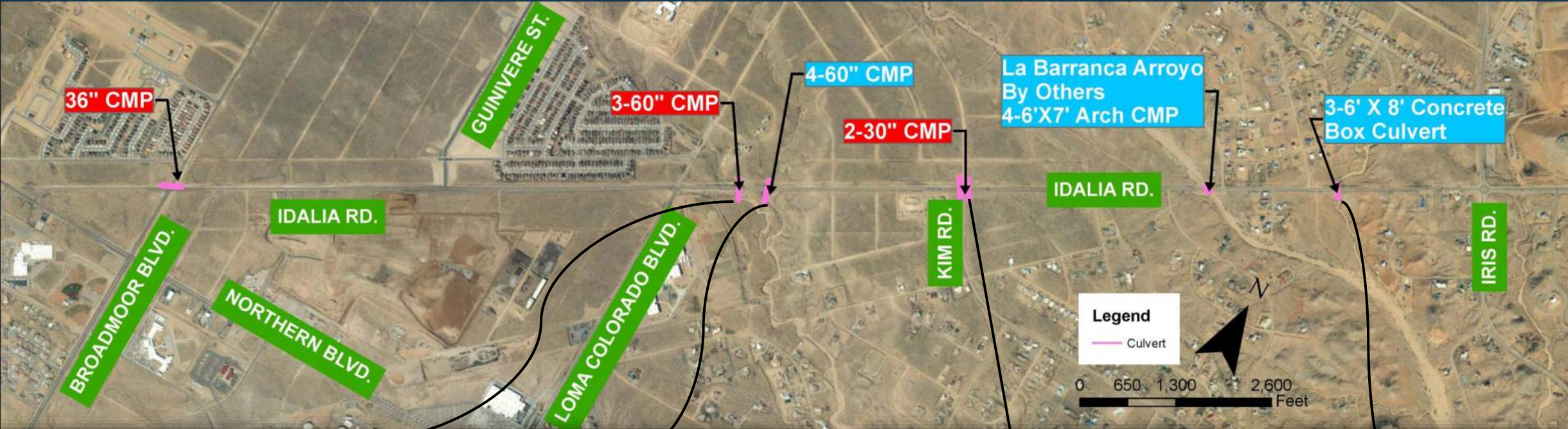
- Above Ground:
 - Lighting at intersections
- Underground:
 - Waterlines
 - Sanitary Sewer Lines
 - Gas Lines
 - Fiber Optic Lines
 - Electrical



- Existing watershed basins draining to Idalia Road project site. Peak 100-yr and 10-yr runoff rates were developed for all structures and roadside ditches along Idalia Road within the project.
- La Barranca Arroyo is being analyzed in a separate project.

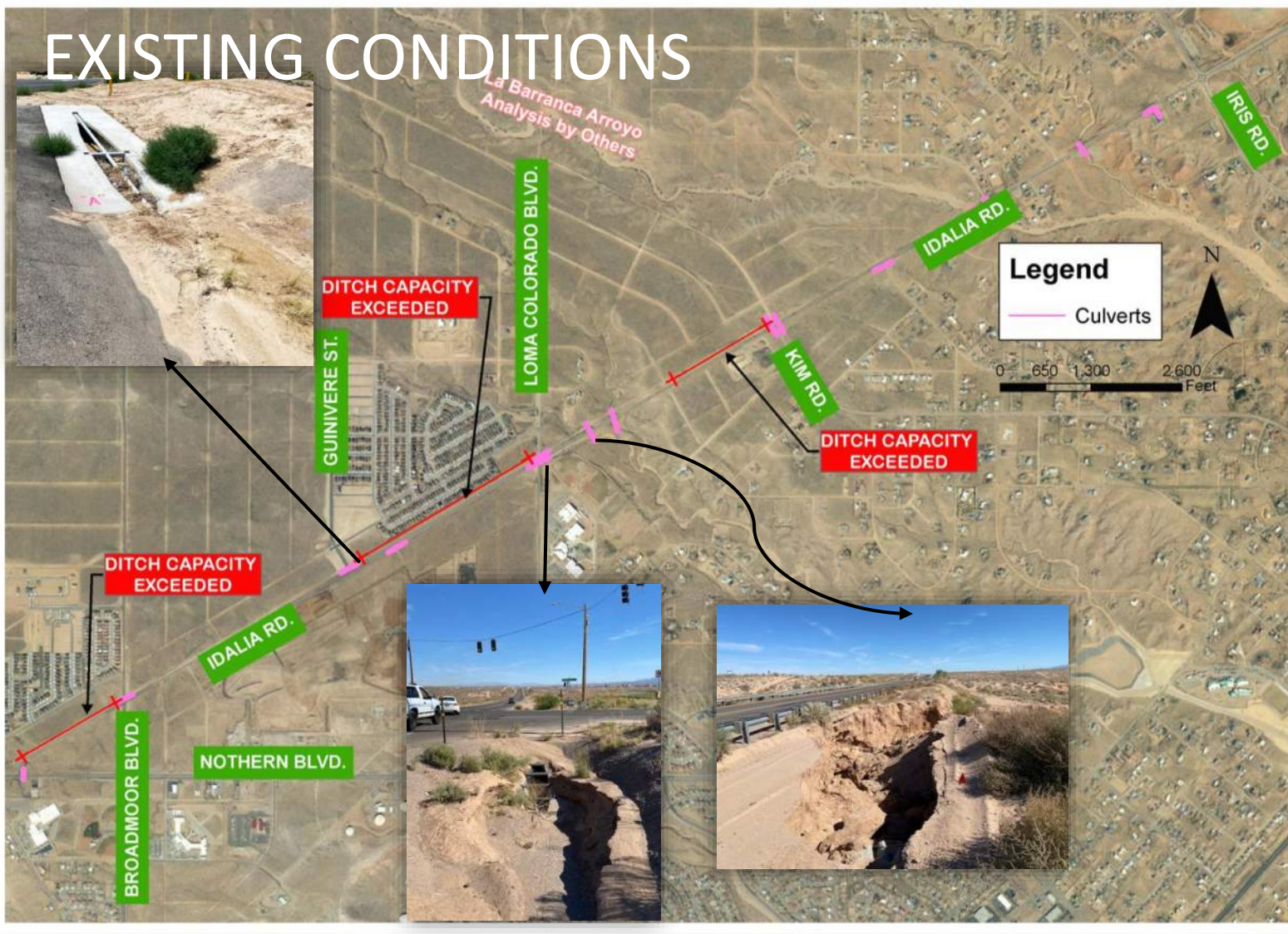
IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Ditches parallel to the roadway were evaluated comparing the estimated runoff against the flow capacity of the ditch.
- The design storm exceeds the capacity of the ditches shown in red.

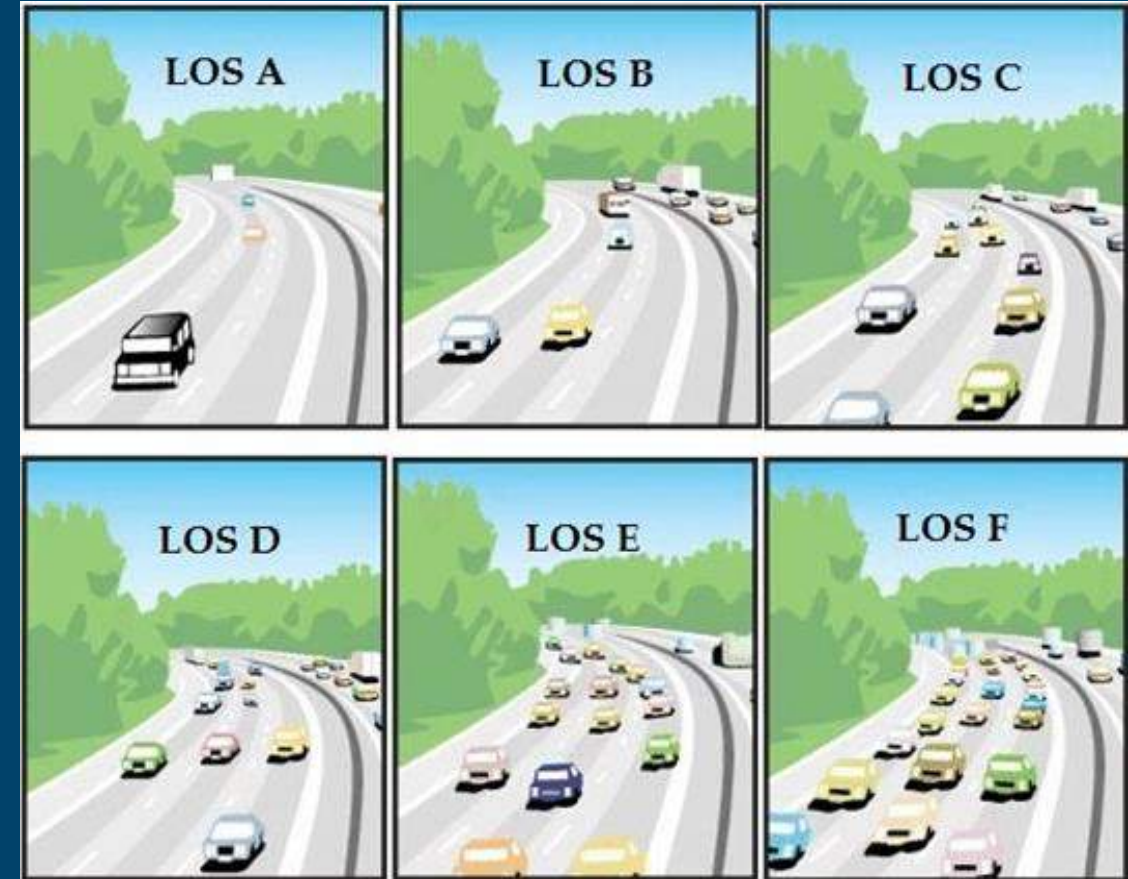
IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



Traffic Analysis

- Level of Service (LOS) is a performance measure which represents quality of service, with LOS A representing the best operating conditions from the driver's perspective and LOS F the worst.
- LOS D is the minimum acceptable standard however LOS A to LOS C is desired.



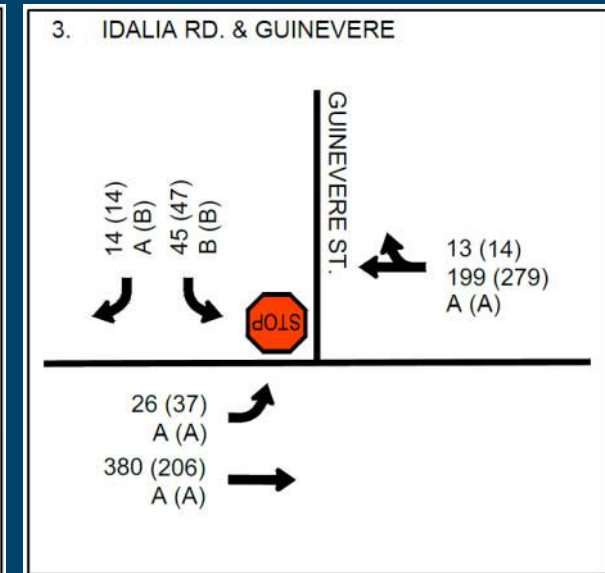
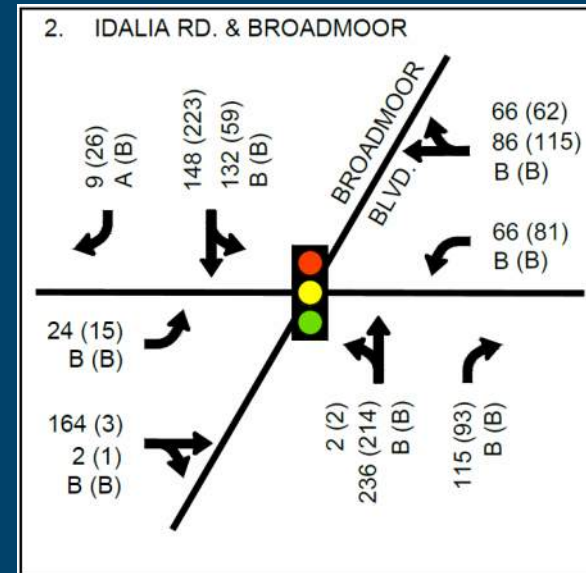
IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



Traffic Analysis - Intersection Capacity

Intersection	Existing Conditions	
	2021 LOS	2040 LOS
Northern Blvd.	A-C	A-F
Broadmoor Blvd.	A-B	B
Guinevere St.	A-B	A-C
Loma Colorado	A-B	B-C
IrisRd.	A	A-B



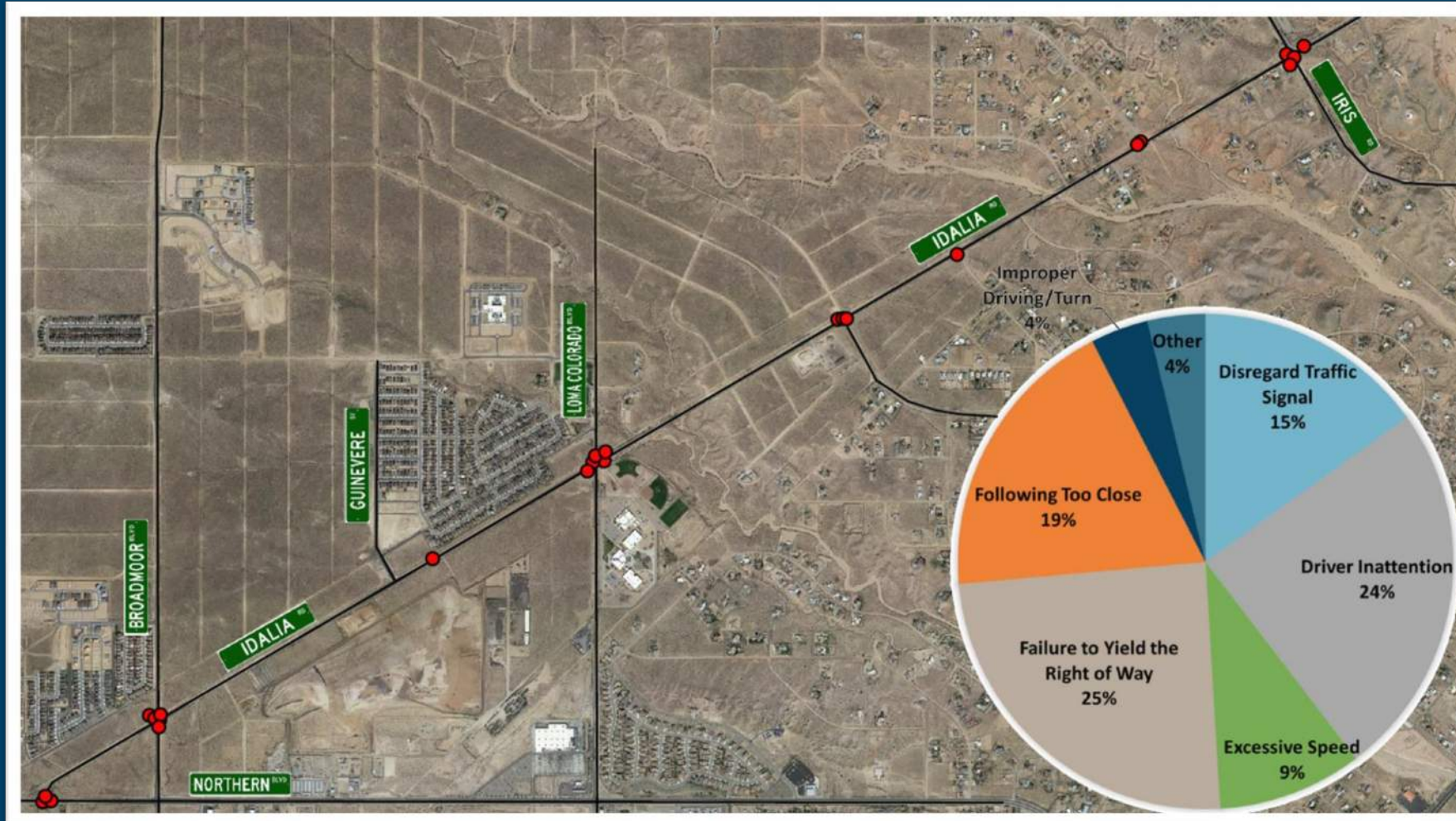
IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



Traffic Analysis – Crash History

- **Crash History and Evaluation**
 - 53 crashes reported between 2015-2019
 - 68% of crashes involved property damage only
 - 32% of crashes involved injuries
 - 70% occurred during daylight hours
 - No fatalities reported or crashes involving pedestrians



IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS



- Environmental Evaluation and NEPA
- Physical resources: geology, soils, water, air
- Biological resources: vegetation, wildlife
- Cultural resources: archaeology, historic properties
- Socioeconomics and environmental justice
- Community facilities
- Noise
- Hazardous and solid waste
- Cumulative impacts



IDALIA ROAD PHASE I-A/B STUDY

EXISTING CONDITIONS

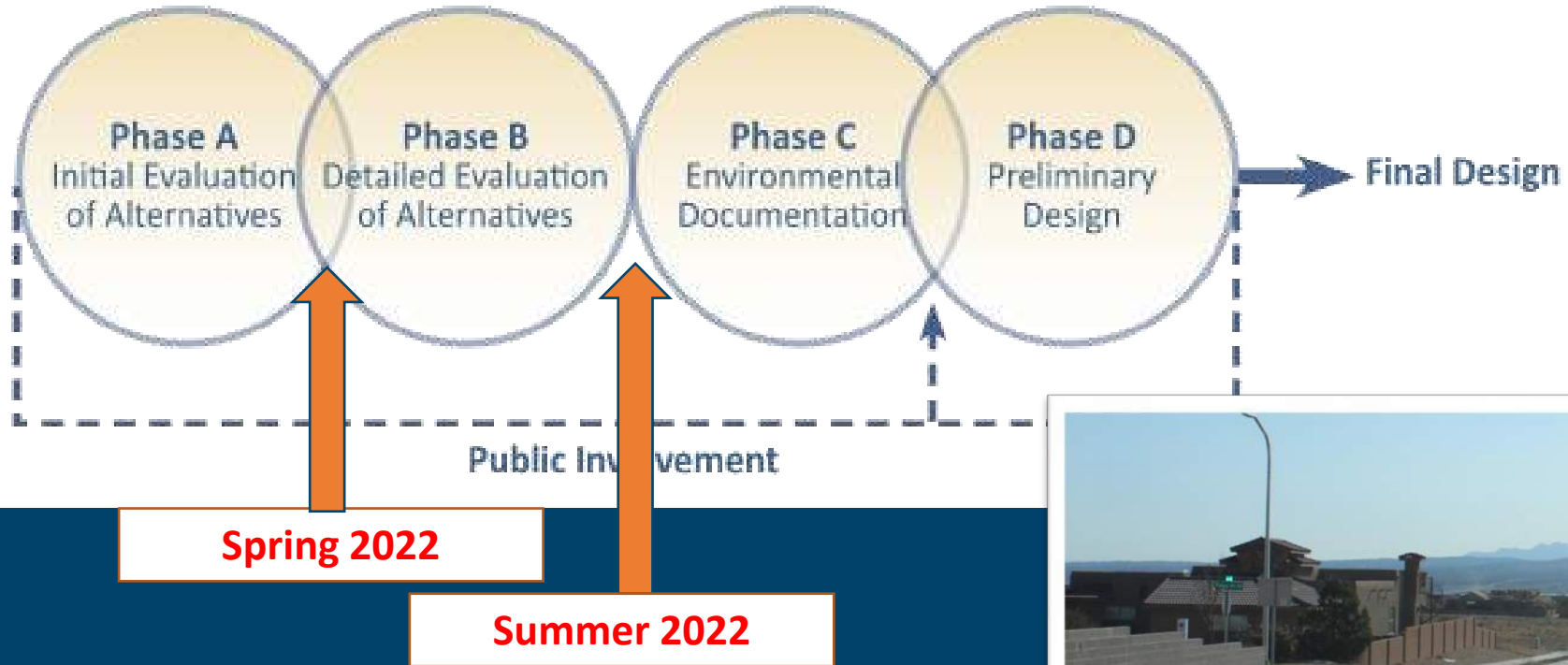


Current Study Schedule

- Existing Conditions Analysis – December 2021
 - Public Meeting No. 1 (December 16th, 2021)
- Phase I-A (Initial Screening of Alternatives) – Spring 2022
 - Public Meeting No. 2 (Spring 2022)
- Phase I-B (Detailed Evaluation of Alternatives) – Submit Summer 2022
 - Public Meeting No. 3 (Summer 2022)
- Final Phase I-A/B Report – Submit Summer 2022
- Preliminary Design – Begin Fall 2022

IDALIA ROAD PHASE I-A/B STUDY EXISTING CONDITIONS

- Next Steps



QUESTIONS OR COMMENTS?



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Albuquerque, NM 87107

*Comments are requested by
January 14th*

- If you have a question about the project, please raise your virtual hand and the moderator will call on you.
 - ❖ To raise your hand: Go to the reactions button at the bottom of the screen and select "Raise Hand"
- If you feel more comfortable typing your question, our moderator will be fielding questions from the discussion window.
- If you have any additional questions after the meeting, please use to contact information on this slide!